

Release A LaRC DAAC Hardware and Software Mapping Baseline 12/11/96					
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Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Ingest	ICLHW	ICLHW-LaRC-1.1 & 2	peer agent with encapsulator, STMGT network resource manager, STMGT staging resource manager, STMGT staging monitor server, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, oodce#, motif, x11r5, net.h++, tools.h++, dbtools.h++, sybase SQL server, tivoli client, TCPWrappers, Tripwire, Npassword, Ingest Ops DB, Ingest training DB, Ingest mode testing DB	SGI Challenge L
				Legato networker client, Legato networker server, Sybase client (xalib, cllib, dblib using dbtools.h++)	
Ingest	ICLHW	ICLHW-LaRC-4,5	Polling ingest, ingest request manager, DSS Ingest Ftp server, MSS log browser, <u>acl editor</u>	Op sys,snmp agent,dce,oodce#,motif,x11r5, net.h++,tools.h++,dbtools.h++,tivoli client, TCPWrappers, Tripwire,Npassword, kftp,kerberos client, nfs mount staging between ICLHW-LARC-4,5 and ICLHW-1.1,2	Sun Sparc 20/50, 20/71
			Auto network ingest manager, nnpost	Legato networker client, sybase client (xalib, cllib, dblib using dbtools.h++), nfs mount (read only) DRPHW-LaRC-1,2	
			subscription engine, peer agent with encapsulator		

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Ingest	ICLHW	ICLHW-LARC-5 (V0 migration)	V0 polling, DMPS Request Manager, DSS ftp server, <u>acl editor</u>	Op sys,snmp agent,dce,oodce#,motif,x11r5, net.h++,tools.h++,dbtools.h++, tivoli client, TCPWrappers,Npassword, Tripwire,kftp,kerberos client, Sybase sql server, V0 migration DB, V0 inspection DB	Sun Sparc 20/71
				Legato networker client, sybase client (xalib, ctlib, dblib using dbtools.h++)	
CSS	DCHCI	CSS-LARC-1 (CSS server)	peer agent with encapsulator, nnpost, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce (Replicate Directory, Security and Time% servers), oodce, motif, x11r5, net.h++, tools.h++, dbtools.h++, tivoli client, TCPWrappers,Tripwire, Npassword	HP J210
				Legato networker client, sybase client (xalib, ctlib, dblib using dbtools.h++), Sybase SQL server, MSS standby DB, ACL standby DB, remedy standby DB, accugraph standby DB	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
MSS	MSSHCI	MSS-LARC-4 (MSS server) (Compile/build platform)	MsAgDpty, peer agent with encapsulator, MDA, nnpost, Accountability manager, MSS user registration server, MSS order tracking server, MSS user audit GUI, MSS log browser, <u>acl editor</u>	Op sys,snmp agent, dce, oodce#, motif, x11r5, C,C++,Softbench, bx#, graphpak#,epak#, tools.h++#, dbtools.h++#, Remedy server, tivoli server,wabi/office,Sybase replication server, essm, PNM, HPOV, dce dev tlkt	HP J210
				TCPWrappers, Tripwire, Npassword, netscape browser, DCE time% server, sybase SQL server, pure coverage, perl5, clearcase client (point to krypton)	
				primary ACL database (sybase), Sybase client (xalib, cllib, dblib using dbtools.h++), netscape commerce server (unsecured), Legato networker client, MSS primary DB, remedy primary DB, accugraph primary DB	
MSS	MSSHCI	MSS-LARC-3 (Clearcase server)	peer agent with encapsulator, Software change manager ,DDTS, XRP II Baseline Manager, nnpost, MSS log browser, <u>acl editor</u>	Op sys,snmp agent, dce, oodce#, motif, x11r5, clearcase server tools.h++#, dbtools.h++#, , tivoli client, <u>Clearcase VOB server</u>	Sun Sparc 20/50
				TCPWrappers, Tripwire, Npassword, Unify DBMS for XRP II Baseline manager, Legato networker client, IQ report writer, sybase client (xalib, cllib, dblib using dbtools.h++)	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
MSS	MSSHCI	MSS-LARC-1.1 (MSS WS) (Computer system administration)	GUI executables, GUI applications, peer agent with encapsulator, ECS Desktop and Workbench, nnpost, cmi, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client,wabi/office, netscape browser, TCPWrappers,Tripwire,Npassword, zmail, sqr wkbch, <u>clearcase view server</u>	Sun Sparc 20/50
				Legato networker client, sybase client& (xalib, ctlib, dblib using dbtools.h++),	
Data Server	ACMHW	ACMHW-LARC-1 (Ops WS) (Archive data service administration)	DSS GUI executables, GUI applications, AMASS GUI, peer agent with encapsulator, ECS Desktop and Workbench, nnpost, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client,wabi/office, netscape browser, TCPWrappers, Npassword, Tripwire, zmail, sqr wkbch,	Sun Sparc 20/50
				NFS mount between ACMHW-LaRC-2 and DIPHW-LaRC-1,2. ACMHW requires read only accesss to DIPHW-LaRC-1,2 RAID, sybase client& (xalib, dblib using dbtools.h++, ctlib), Legato networker client	
Data Server	ACMHW	ACMHW-LARC-2 (Ingest distribution technician)	Ingest GUI executables, DSS GUI executables, GUI applications, peer agent with encapsulator, ECS Desktop and Workbench, nnpost, MSS log browser	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client, wabi/office, netscape browser,TCPWrappers, Tripwire, Npassword, SQR wkbch, zmail, NFS mount between ACMHW-LaRC-2 and DIPHW-LaRC-1,2. ACMHW requires	Sun sparc 20/50
			V0 GUI, acl editor	read only accesss to DIPHW-LaRC-1,2 RAID, sybase client& (xalib, dblib using dbtools.h++, ctlib), Legato networker client	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data server	ACMHW	ACMHW-LARC-3,4 (APC sybase server)	peer agent with encapsulator, STMGT Network resource manager, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, oodce#, motif, x11r5, net.h++, tools.h++, dbtools.h++, sybase SQL server, tivoli client , TCPWrappers,Tripwire,Npassword	SGI Challenge L
				kerberos client, kftp, Legato networker client, Sybase client (xalib, ctlib, dblib using dbtools.h++), User Pull DB, Storage Management DB	
Data Server	ACMHW	ACMHW-LARC-5 (front-end to APC server)	Science Data Server Process, peer agent with encapsulator, SDSRV admin process, STMGT network resource manager, STMGT pull monitor process, advertising clients, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, tivoli client, TCPWrappers, Tripwire, Npassword	Sun Solaris 2.4
			nnpost, MSS log browser	sybase client (xalib, dblib using dbtools.h++, ctlib),Legato networker client	
			CSS SDPF gateway, CSS TSDIS gateway, dssgw, SDSRV wrapper, subscription engine, staging disk class libraries, cgi scripts	kerberos client, kftp	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data Server	DIPHW	DIPHW-LARC-1 and 2 (distribution server)	DDIST Distribution server process, peer agent with encapsulator, STMGT CDROM Resource management process, STMGT tape resource manager, STMGT printer resource manager, nnpost	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, tivoli client, TCPWrappers, Tripwire, Npassword, anonymous ftp	Sun Sparc 20/712
			DSSDist ftp server, ROMMAKER, MSS log browser, <u>acl editor</u>	Legato networker client, sybase client (xalib, ctlib and dblib using dbtools.h++)	
Data Server	DRPHW	DRPHW-LARC-1 (FSMS server)	peer agent with encapsulator, STMGT Staging Resource Manager Process, STMGT archive manager, Ingest "user push area" cleanup script, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, amass, tivoli client ,	SGI Challenge XL
				TCPWrappers, Tripwire, Npassword, kftp, kerberos client, Legato networker client, Sybase client (xalib, ctlib, dblib using dbtools.h++)	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data Server	DRPHW	DRPHW-LARC-2 (FSMS server) (compile/build platform)	peer agent with encapsulator, Ingest "user push area" cleanup script, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, oodce#, motif, x11r5, clearcase client (point to krypton), C, C++, F77, CaseVision, bx#, graphpak#, epak#, tools.h++#, dbtools.h++#, amass, tivoli client ,dce dev tlkt,	SGI Challenge XL
				Sybase client (xalib, ctlib, dblib using dbtools.h++), TCPWrappers, Tripwire,Npassword, kftp, kerberos client, Legato networker client, pure coverage	
Data Server	DRPHW	DRPHW-LARC-6	peer agent with encapsulator, STMGT Staging Resource Manager Process, STMGT Staging Disk Monitor Process,nnpost, MSS log browser , STMGT Archive Manager, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++#, Remedy*, tivoli client, wabi/office, netscape browser,sybase client (xalib, ctlib,dblilb using dbtools.h++), dbtools.h++#, TCPWrappers, Tripwire,Npassword, sqw wkbch	Sun 20/712
				Legato networker client,	
Data Server	DRPHW	DRPHW-LARC-3 and 4 (DBMS server)	peer agent with encapsulator, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++#, dbtools.h++#, sybase SQL server, SQS server, tivoli client , TCPWrappers, Npassword,Tripwire, Legato networker client	SGI Challenge XL
				sybase client (xalib, ctlib,dblilb using dbtools.h++), science data server metadata DB, subscriptions DB	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data server	DDSHW	DDSHW-LARC-1 and 2	Document Data server process, peer agent with encapsulator, document repository process, www server process (secured, and unsecured), Advertising Custom CGI Bin Programs, advertising client, Ingest, MSS, VO, PDPS custom CGI bin programs	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, tivoli client, TOPIC server, illustra, dbtools.h++, TCPWrappers,Tripwire, Npassword, Legato networker client, perl	Sun Sparc 20/712
			dss client, nnpost, tcl, expect, need public ftp area, MSS log browser, acl editor	netscape commerce server (secured and unsecured; must be configured for DNS lookup) (netscape access go to the document data server then to MSS netscape commerce server,	
				sybase client (xlib, ctlib, dblib using dbtools.h++), nfs mount (read only) DRPHW-LaRC-1,2 Ingest user push area	
Planning	PLNHW	PLNHW-LARC-1 (Planning server) (compile/build platform), SPRHW-LARC-7 (queuing server)	peer agent with encapsulator, Resource planning application, Production planning application, subscription manager, advertising clients, delphi hcl, dss client	Op sys, snmp agent, dce, oodce#, motif, x11r5, clearcase client (point to krypton), C, C++, Sparcworks, bx#, graphpak#, epak#, tools.h++, dbtools.h++, sybase SQL server for autosys DB, net.h++, tivoli client,dce dev tlkt, wabi/office	SUN Sparc 20/71

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
			Autosys event processor (backup), execution manager, data manager, Resource manager, Expect, nnpost, MSS log browser, SDP Toolkit, HDF-EOS, <u>acl editor</u>	TCPWrappers, Tripwire, Npassword, netscape browser, Autosys, AutoXpert, Sybase SQL server for PDPS DB, Legato networker client, sybase client (xalib, cllib, dblib using dbtools.h++), pure coverage, PDPS DB, Autosys DB, <u>NCSA HDF</u>	
Planning		PLNHW-LARC-2 Planning Workstation (Resource Planner/Performance Analyst)	peer agent with encapsulator, Production planning application, Resource Planning application, ECS Desktop and Workbench, Operator, QA flag update, nnpost, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client, wabi/office, netscape browser, TCPWrappers, Tripwire, Npassword, sqr wkbch, zmail, enscript	Sun Sparc 20/50
				sybase client (xalib, cllib, dblib using dbtools.h++), Autosys, AutoXpert, Legato networker client	
Processing	SPRHW	SPRHW-LARC-5 (Science Processor) (compile/build platform), SPRHW-LARC-6 (science processor)	peer agent with encapsulator (currently does not run because there is no oodce), HDF-EOS, SDP Toolkit, Data Preprocessing, Science software, Processing support scripts, nnpost, MSS log browser, <u>acl editor</u>	Irix Op sys, snmp agent, dce, motif, x11r5, clearcase client (point to krypton and MSS-LaRC-1.1), C, Kai C++, SGI F77, NAG and SGI F90, Ada, CaseVision, NCSA HDF, bx#, graphpak#, epak#, tools.h++, dbtools.h+++, IDL, IMSL, pure coverage	SGI Challenge PC

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
				TCPWrappers, Tripwire, Npassword, Crack, kftp, kerberos client, tivoli client , sybase client (xalib, cllib, dblib using dbtools.h++), Legato Networker server and client, autosys remote agents (one instance for SSIT and one instance for production)	
Processing	AQAHW	AQAHW-LARC-1 (Data Specialist)	Ops QA monitor, ECS Desktop, peer agent with encapsulator, EOSView, HDF-EOS, MSS log browser, <u>acl editor</u>	Op system, snmp agent, DCE, motif, x11r5, NCSA HDF, Legator networker client, zmail, tools.h++, sybase client (xalib, cllib, dblib using dbtools.h++), TCPWrappers, tripwire, netscape browser, remedy access, Npassword, WABI/Office, Tivoli client	Sun Sparc 20/71
Processing	AITHW	AITHW-LARC-1 (SSIT development support)	Production planning application, Resource Planning application, peer agent with encapsulator, nppost, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, C, C++, Sparcworks, bx#, graphpak#, epak#, tools.h###, dbtools.h###, Remedy access, tivoli client, wabi/office, netscape browser, Ada, f77, Sun f90, idl, imsl, zmail	Sun Sparc 20/50
			Document viewing, AIT Manager GUI, AI&T Tools, PGE Processing GUI, PGE Registration GUI,	FORCHECK, Ghostview, emacs, Adobe acrobat, WABI, XEDIT, autosys, autoxpert, TCPWrappers, Tripwire, Npassword, kftp, sqr wkbch, enscript	

Subsystem	HWC/CSCI	Platform	Custom Executables	COTS	Target Operating System
			ECS DSKTP, EosView, HDF-EOS, ECS Workbench, <u>SDP Toolkit</u>	kerberos client, clearcase client (point to MSS-LaRC-1.1), Legato networker client, Sybase Client& (xalib,ctlib,dblib using dbtools.h++), NCSA HDF	
Processing	AITHW	AITHW-LARC-2 AIT Workstation / DBMS Server (SSIT development support)	Subscription manager, PDPS DB server. Autosys DB server, AutoSys Event Processor, Autosys Agent, Data Manager, Execution Manager, Resource Manager, peer agent with encapsulator, ECS Desktop, advertising clients	Op sys, snmp agent, dce, oodce#, motif, x11r5, C, C++, Sparcworks, bx#, graphpak#, epak#, tools.h++#, dbtools.h++#, Remedy access, tivoli client, dce dev tlkt, wabi/office, netscape browser, Ada,f77, sun f90, idl, imsl, zmail, ddts (AIT copy)	Sun Sparc 20/50
			SDP Toolkit, HDF-EOS, nnpost, MSS log browser, <u>acl editor</u>	Sybase SQL server for PDPS database, Sybase SQL server for autosys DB, FORCHECK, Ghostview, emacs, Adobe acrobat, Netscape browser, WABI, XEDIT, autosys,autoxpert, sqr wkbch, kftp, kerberos client, Legato networker client, enscript	
				TCPWrappers, Tripwire, Npassword, NCSA mosaic, clearcase client (point to MSS-LaRC-1.1), sybase client (xalib, ctlib,dblib using dbtools.h++), NCSA HDF	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data Management	DMGHW	DMGHW-LARC-1 (Data specialist)	Specialist GUIs, peer agent with encapsulator, ECS desktop and workbench, nnpost, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client, wabi/office, netscape browser, TCPWrappers, Tripwire, zmail,	Sun Sparc 20/50
				Legato networker client, Sybase client& (xalib, ctlib, dblib using dbtools.h++),	
Data Management	DMGHW	DMGHW-LARC- 2 (User assistance), 3 (User assistance)	Specialist GUIs, peer agent with encapsulator, ECS desktop and workbench, nnpost, MSS user registration client, MSS order tracking client, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, Remedy access, tivoli client, wabi/office, netscape browser, TCPWrappers, Tripwire, zmail,	Sun Sparc 20/50
				Legato networker client, Sybase client& (xalib, ctlib, dblib using dbtools.h++),	
Data Management	DMGHW	DMGHW-LARC-6 (Database Administrator)	Specialist GUIs, peer agent with encapsulator, ECS desktop and workbench, nnpost, MSS log browser	Op sys, snmp agent,dce, oodce#, motif,x11r5,tools.h++,dbtools.h++, Remedy access, tivoli client,wabi/office,Sybase client& (xalib, ctlib,dblilb using dbtools.h++),netscape browser, TCPWrappers,Tripwire, Npassword, sqr wkbch, zmail	HP 715/64
				Legato networker client,	

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Data Management	DMGHW	DMGHW-LARC-5(DMG Server) (Compile/build platform)	DMG Gateway, CSS Gateway executables - 2 processes per connection, peer agent with encapsulator, nnpost, tcl, expect, dss client, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, tivoli client, Sybase replication server, kerberos client, TCPWrappers,Tripwire, Npassword,C,C++,Softbench, bx#, graphpak#,epak#,	HP J210
				kftp, time% server, sybase SQL server, Legato networker client, sybase client (xalib, ctlib, dblib using dbtools.h++), V0 gateway DB, Adsrv DB	
Data Management	DMGHW	DMGHW-LARC-4 (DMG Server)	DMG Gateway, CSS Gateway executables - 2 processes per connection, peer agent with encapsulator, nnpost, tcl, expect, dss client, MSS log browser, <u>acl editor</u>	Op sys, snmp agent, dce, oodce#, motif, x11r5, tools.h++, dbtools.h++, tivoli client, Sybase replication server, kerberos client, TCPWrappers,Tripwire, Npassword	HP J210
				kftp, sybase SQL server, Legato networker client, sybase client (xalib, ctlib, dblib using dbtools.h++), V0 gateway DB, Adsrv DB	
Interoperability	ADSHWCI co-located with DMGHWCI	DMGHW-LaRC-4,5 (DMG Server)	Custom Advertising Server, Custom Library for Advertising Clients		

Subsystem	HWCI/CSCI	Platform	Custom Executables	COTS	Target Operating System
Notes: The development environment is provided only on select platforms					
# automounted					
NIS, DNS and mailservers are kept in separate baselines					
ftp, telnet will be installed on all platforms. ftp, telnet access to ECS will be allowed only during the I&T phase.					
ftp access to ECS from outside will be blocked by the router filter during the later phases of I&T.					
ftp, telnet access from ECS to external sites will be allowed according to the Rel A security guideline					
rlogin, rsh will be disabled on all platforms					
% DCE time source is NASA36					
Clearcase uses proprietary DB that will be on the same server where clearcase server resides					
DDTS user proprietary DB that will be on the same server where DDTS resides					
& ISQL and other Sybase utilities					
Legato networker server is installed wherever there is an 8mm tape drive (internal or external)					